

In the Claims:

1-10. (Cancelled)

11. (New) A fuel dispenser for dispensing fuel to a vehicle's fuel tank and being supplied from two or more supply tanks, comprising:

a liquid measuring device having a screw spindle arrangement;

two or more nozzles each coupled to said liquid measuring device and including a downstream valve for controlling flow of fuel from said liquid measuring device to the vehicle's fuel tank; and

two or more upstream valves coupled to said liquid measuring device and each controlling flow of fuel from one of the two or more supply tanks to said liquid measuring device;

said downstream valves, said liquid measuring device, and said two or more upstream valves operate to provide a supply link from any one of the supply tanks to a corresponding one of said two or more nozzles, wherein no additional valves are located between said liquid measuring device and said two or more nozzles to control flow of fuel from said liquid measuring device to said two or more nozzles.

12. (New) The fuel dispenser of claim 11 wherein said two or more upstream valves form a common valve block.

13. (New) The fuel dispenser of claim 11 wherein said downstream valves are interconnected in pairs with said upstream valves.

14. (New) The fuel dispenser of claim 13 wherein said downstream valves are non-return valves.

15. (New) The fuel dispenser of claim 11 wherein upon activation of any of said two or more nozzles an associated electric signal generator provides a signal to an electronic circuit that operates to control said two or more upstream valves.

16. (New) The fuel dispenser of claim 15 wherein said electronic circuit closes all of said two or more upstream valves when more than one of said two or more nozzles are activated.

17. (New) The fuel dispenser of claim 11 wherein a clearance volume of said liquid measuring device is less than a calibration tolerance.

18. (New) The fuel dispenser of claim 11 wherein a clearance volume of said liquid measuring device is less than 20 cm³.

19. (New) A method of dispensing fuel, comprising:

pumping fuel from one of two or more supply tanks to a fuel dispenser;
controlling flow of said fuel from one of said two or more supply tanks to a liquid measuring device using two or more upstream valves, each of said two or more upstream valves being fluidly coupled between one of said two or more supply tanks and said liquid measuring device;

measuring a volume of fuel that flows through said two or more upstream valves using said liquid measuring device, said liquid measuring device having a screw spindle arrangement; and

controlling flow of said fuel from said liquid measuring device to one of two or more nozzles using one or more downstream valves each being within one of said two or more nozzles, wherein no additional valves are needed to control flow of said fuel between said liquid measuring device and said two or more nozzles.

20. (New) The method of claim 19 further comprising closing all of said two or more upstream valves when more than one of said two or more nozzles are activated.